New Course Request

Indiana University

Check Appropriate Boxes: Undergraduate credit [✓] Graduate credit [ ] Professional credit [ ]

1. School/Division: School of Engineering and Technology
2. Academic Subject Code: ART

3. Course Number: 105 (must be cleared with University Enrollment Services)
4. Instructor: Darrell Nicholson

5. Course Title: Introduction to Design Technology
   Recommended Abbreviation (Optional): (Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Summer or Fall 2007

7. Credit Hours: Fixed at 2 or hrs. or Variable from ________ to ________

8. Is this course to be graded S-F (only)? Yes [✓] No [ ]

9. Is variable title approval being requested? Yes [ ] No [✓]

10. Course description (not to exceed 50 words) for Bulletin publication:
    This course is designed to introduce the students to the processes and practices of Architectural, Graphics, and Interior Design Technology, by way of learning industry standards, trends in these disciplines and technology and their basic application. Students will also be introduced to career paths. C: Tech 102 or UCOL 110.

11. Lecture Contact Hours: Fixed at ________ 2 hrs. per week or Variable from ________ to ________

12. Non-Lecture Contact Hours: Fixed at ________ NA ________ or Variable from ________ to ________

13. Estimated enrollment: ________ 25-50 ________ of which ________ 0 percent are expected to be graduate students.

14. Frequency of scheduling: ________ 1 section, 2 sessions/wk ________ Will this course be required for majors? Yes

15. Justification for new course: ________ Need for a course that addresses above issues per input from industrial advisory board and faculty teaching courses for which this is a prerequisite ________

16. Are the necessary reading materials currently available in the appropriate library? Yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by:

[Signature]

Department Chairman/Division Director

Date 11-30-06

Approved by:

[Signature] (Dean)

Date 2/12/06

Dean

[Signature] (Chancellor/Vice-President)

Date

Chancellor/Vice-President

[Signature] (University Enrollment Services)

Date

University Enrollment Services

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

University Enrollment Services Final—White; Chancellor/Vice-President—Blue; School/Division—Yellow; Department/Division—Pink; University Enrollment Services Advance—White
DEPARTMENT OF DESIGN TECHNOLOGY
PURDUE SCHOOL OF ENGINEERING AND TECHNOLOGY IUPUI
COURSE SYLLABUS – Fall Semester 2001

ART 105 Introduction to Design Technology 2cr.
Day: Tuesday/Thursday Time: 11:00-11:50

Course Description: This course is designed to introduce students to the processes and practices of Architectural Technology, Graphics Technology and Interior Design, by way of learning Industry Standards, Trends in Technology, and the basics of their application. Students will also be introduced to career paths in these and related disciplines, available technology, and both campus and city resources not covered in Tech 102 or UCOL 110. Lecture course only.

Prerequisite: NONE
Co-requisites: Tech-102
Instructor: Darrell D Nickolson, Lecturer. E-mail: dnickols@iupui.edu Phone: 274-1614, fax 278-3669
Post Class Help: During posted office hours at the office of the instructor, ET205-E or by appointment
Time/Day/Location: TR/11-11:50/ARR

Text: Tischnor’s Course Pack

Required Materials: All students must have the following items available for class:
   a. This syllabus
   b. A willingness to learn
   c. Oncourse CI Access
   d. Note Taking Materials

Student Responsibilities: A student has the responsibility to take appropriate advantage of the educational opportunities presented by the university, to participate in the learning process in a serious and conscientious manner, and to respect the rights of other members of the university community with regard to academic affairs. Students and Instructors will abide by the IU Code of conduct in terms of cheating, plagiarism and disruptive conduct as described at the following web site, http://life.iupui.edu/help/code see student misconduct, academic misconduct

Course Objectives: Upon completion of the course the serious and conscientious student will be able to:
1. Recognize career paths and responsibilities for those seeking careers in Architectural Technology and Interior Design Degrees
3. Identify Professional Development techniques for Design technology students.
4. Explain Design Process from the design professional point of view.
5. Analyze Professional Development resources for Architectural Technologist and Interior Designers.

IUPUI Principles of Undergraduate Learning:
1. Core Communication and Quantitative Skills
   e. Make efficient use of information resources and technology for personal and professional needs
2. Critical Thinking
   e. Use knowledge and understanding in order to generate and explore new questions.
3. Understanding Society and Culture
   b. Analyze and understand the interconnectedness of global and local concerns;
   c. Operate with civility in a complex social world.

ABET Standard #1
b. Apply current knowledge and adapt to emerging applications in mathematics, science, engineering and technology;
g. Communicate effectively (written or graphic);
h. Recognize the need for and possess the ability to pursue life long learning;
i. Understand professional, ethical and societal responsibilities;
j. Recognize contemporary professional, societal

CIDA Standards
Standard 2: Professional Values
Leads students to develop the attitudes, traits and values of professional responsibility, accountability, and effectiveness
Lecture Course-Schedule of Topics (15 Weeks plus final exam)

Week 1: Career Goals
- Career paths for Interior Designers, Architectural Technologist & Computer Graphics
- Project Related Professional roles in the Design Industry.
- Salary and Markets
- Meet DST Faculty

Week 2: Professional Practices
- Student Design Organizations
- Professional Design Organizations
- Professional Registrations and Exams
- Ethic Standards & Documents Related to Design
- Titles vs. Practices Acts
- State by State requirements

Week 3: Multi-Discipline Design [First Discussion Forum Question (On course group research & presentation)]
- Architectural Technology / Interior Design/CGT/CNT

Week 4: The Design Process vs Building Projects: How they differ
- Concepts to Post Occupancy

Week 5: Design Standards (Career Counseling Report Due)
- Uniform Drawing Standards
- AIA Standards

Week 6: Test #1

Week 7: Design Standards
- Master Spec Format/CSI
- Metric System and it's uses

Week 8: Drawing Format
- Construction Document Index Order
- Standard Drawing Symbols

Week 9: Project Management (Second Discussion Forum Question)
- Design Professional/Contractor Relationship (based on NCIDQ, ASID, AIA)
- Design Professional/Client Relationship

Week 10: Project Management
- Post Occupancy Evaluations and Project Follow-up

Week 11: Project Management
- Design Software & Technology Available Application

Week 12: Test #2

Week 13: Project Management Scope
- Professional Presentations & Documents at Each Stage of Design Process
- Role and liabilities of the Design Practitioner in Project Administration

Week 14: Professional Practices
- Sustainable Design (What & Why)
- Continuing Education, advanced certification(s)
- Leed Certification
- Leed & Historic Preservation Cost Return

Week 15: Job Site Safety
- Design Role in Project Administration

Week 16: Review

Final Exam (comprehensive)
Course Description: A survey of the opportunities available within the Construction Industry. Laboratory time is utilized to learn and demonstrate the ability to use word processing, spreadsheets, presentations skills as well as the internet, the library and email systems and resources as utilized to communicate course content.

Prerequisite: None
Instructor: Laura Lucas, RA, MBA, Lecturer Department of Construction Technology

Time / Day / Location:
Lecture: for all sections 1:30pm-3:20P Tues ET 202
Laboratory #6504 3:30pm-5:20P Tues ET 216
#6505 3:30pm-5:20P Wed ET 216
#6506 2:30pm-4:15P Thurs ET 216
#6507 6:00pm-7:50P Thurs ET 216

Office Hours: 12-3pm M-W-R-F office at 309J or request an appt lalucas@iupui.edu

Required Course Packet: Purchase from Bookstore

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Course Objectives: Upon completion of the course the serious and diligent student should be able to:

A. Produce college level work using basic computer hardware and office software including:
   i. Basic functions of an operating system and its built-in tools
   ii. Internet tools necessary for productivity
   iii. Word processing, spreadsheet, presentation, and database software
B. Understand the roles and responsibilities of individuals Architects, Engineers and Constructors in the construction industry and how they work together and think differently towards the same goal of a successful project
C. Discuss and define the steps in the design, procurement and construction of a project.
D. Understand the documentation involved in a construction project.
E. Recognize the different types of schedules and estimates and how they are used in construction projects.
F. Understand basic structural and building construction principals
G. Comprehend the processes of a construction project including design, bidding, project closeout.
H. Realize the different types of law that are involved in the construction process.
I. Understand the safety standards that are involved in a construction project.
J. Identify the types of costs that are recorded on a construction project.
IUPUI Principles of Undergraduate Learning (PUL):
(1) The ability to comprehend, interpret, and analyze texts. (Communication)
(5) Understand society and culture

ABET Objectives:
(g) Communicate effectively
(j) Understand professional, ethical and societal responsibilities

Teaching and Learning Methods: Active and cooperative activities during lectures. In lab class assignments (written, oral and visual communication demonstrations and papers, group projects, online quizzes of terminology and concepts) are used to reinforce the interdisciplinary aspects of construction and this course. Field trips and guest speakers (from within the school and local industry) will be arranged.

Preparation of assignments and semester project: Generally work will be prepared using electronic means either from lab computers or elsewhere, the textbooks and prepared assignment/lab sheets as made available by the professor. Some assignments will be submitted electronically; some will be printed out and turned in as hardcopies. Computer files or in class production of work may be required as requested by the Instructor. All work and in class attire shall represent the student and their work in a professional manner, unprofessional efforts will result in lowered grades. All work should be handed in with all personal information, Name, Course Number, Course Title, Assignment name and other pertinent information.

Grading: The semester grade will be determined as follows:

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<tr>
<th>Assignment Type</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Assignments, etc</td>
<td>30%</td>
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<tr>
<td>Chapter Quizzes</td>
<td>30%</td>
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<tr>
<td>Projects (career and group)</td>
<td>20%</td>
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<tr>
<td>Final Exam (cum)</td>
<td>20%</td>
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<table>
<thead>
<tr>
<th>Grade</th>
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<tr>
<td>A's</td>
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<td>B's</td>
<td>80% to 89.9%</td>
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<td>C's</td>
<td>70% to 79.9%</td>
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<tr>
<td>D's-</td>
<td>60% to 69.9%</td>
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<tr>
<td>F</td>
<td>=Below 59.9%</td>
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More detailed grading information will follow with handouts during the semester.

Homework, Project and Exams: Late assignments will not be accepted. Homework will be due at the beginning of the period. Further details on each assignment will be handed out in class. If you know you will be missing a class, please contact your instructor as soon as you know via email. Some cases may be excused, but written proof must be provided (this is usually related to medical conditions.)

Attendance Policy: Students are expected to attend regularly. If a class is missed, it is the student's responsibility to make up the work for knowledge. Please ask other students for notes as the instructor will not always have copies available of class discussion.

Field Trips and Guest Speakers: As field trips are scheduled throughout the semester. Students may have dress code requirements for sites. Usually long pants, close toed, hard soled shoes. Details will be announced for each field trip. Not participating in the field trip will result in lowering of grade for the course.
### Proposed Course Information

**Subject Abbreviation**: ART  
**Course Number**: 105

**Long Title**: Introduction to Design Technology

**Short Title**: Intro to Design Tech.

**Credit Type**:
- **Fixed Credit**: Cr. Hrs: [ ]
- **Variable Credit Range**: Minimum Cr. Hrs: [ ] To [ ] Or [ ]  
- **Equivalent Credit**: Yes [x]  
- **Thesis Credit**: Yes [x]

**Course Attributes**:
- **Pass/Not Pass Only**: [ ]  
- **Satisfactory/Unsatisfactory Only**: [ ]  
- **Repeatability**: [ ]  
- **Maximum Repeatable Credit**: [ ]  
- **Credit by Examination**: [ ]  
- **Designator Required**: [ ]  
- **Special Fees**: [ ]  
- **Full Time Privilege**: [ ]  
- **Off-Campus Experience**: [ ]

**Instructional Type**:
- **Lecture**: Minutes Per Mtg: [ ]  
- **Recitation**: [ ]
- **Presentation Laboratory**: [ ]
- **Lab Prep**: [ ]
- **Study**: [ ]
- **Distance**: [ ]
- **Clinic**: [ ]
- **Experiential**: [ ]
- **Research**: [ ]
- **Ind. Study**: [ ]
- **Prac/Observ**: [ ]

**Course Description** (Include Requisites):

This course is designed to introduce students to the processes and practices of Architectural Graphics, and Interior Design Technology, by way of learning industry standards, trends in these disciplines and technology and their basic application. Students will also be introduced to career paths. C. Tech 102 or UCOL 110.

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**Term Offered**:
- Summer [x]  
- Fall [x]  
- Spring [x]

**Campus Involvement**:
- Calumet [ ]
- Cont Ed [ ]
- Ft. Wayne [x]
- Indiana Tech [ ]
- Tech Statewide [ ]
- W. Lafayette [ ]
- Indianapolis [x]

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**Office of the Registrar**